

L1 1 S US 20070244203/PN

FILE 'REGISTRY' ENTERED AT 09:08:37 ON 21 OCT 2010

L2 1 S 9003-01-4/RN  
SET NOTICE 1 DISPLAY  
SET NOTICE LOGIN DISPLAY

FILE 'REGISTRY' ENTERED AT 09:09:05 ON 21 OCT 2010

L3 1 S 9016-00-6/RN  
SET NOTICE 1 DISPLAY  
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FILE 'REGISTRY' ENTERED AT 09:10:45 ON 21 OCT 2010

L4 1 S 31900-57-9/RN  
SET NOTICE 1 DISPLAY  
SET NOTICE LOGIN DISPLAY

FILE 'CAPLUS' ENTERED AT 09:12:33 ON 21 OCT 2010

L5 14455 S L3 AND L4  
L6 0 S L3 (L) L4  
L7 720 S L5 AND (DRUG DELIVERY SYSTEMS/IT OR MEDICAL GOODS/IT)  
L8 693 S L7 AND (PY<=2007 OR AY<=2007 OR PRY<=2007)

FILE 'REGISTRY' ENTERED AT 09:17:00 ON 21 OCT 2010

L9 1 S 9003-01-4/RN  
SET NOTICE 1 DISPLAY  
SET NOTICE LOGIN DISPLAY

FILE 'REGISTRY' ENTERED AT 09:17:26 ON 21 OCT 2010

L10 1 S 57-11-4/RN  
SET NOTICE 1 DISPLAY  
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FILE 'REGISTRY' ENTERED AT 09:17:45 ON 21 OCT 2010

L11 1 S 79-06-1/RN  
SET NOTICE 1 DISPLAY  
SET NOTICE LOGIN DISPLAY

FILE 'REGISTRY' ENTERED AT 09:18:11 ON 21 OCT 2010

L12 1 S 471-34-1/RN  
SET NOTICE 1 DISPLAY  
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FILE 'REGISTRY' ENTERED AT 09:18:30 ON 21 OCT 2010

L13 1 S 1332-37-2/RN  
SET NOTICE 1 DISPLAY  
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FILE 'REGISTRY' ENTERED AT 09:18:55 ON 21 OCT 2010

L14 1 S 1344-28-1/RN  
SET NOTICE 1 DISPLAY  
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FILE 'REGISTRY' ENTERED AT 09:19:21 ON 21 OCT 2010

L15 1 S 7631-86-9/RN  
SET NOTICE 1 DISPLAY  
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FILE 'REGISTRY' ENTERED AT 09:19:52 ON 21 OCT 2010  
L16 1 S 7782-42-5/RN  
SET NOTICE 1 DISPLAY  
SET NOTICE LOGIN DISPLAY

FILE 'REGISTRY' ENTERED AT 09:20:10 ON 21 OCT 2010  
L17 1 S 9002-89-5/RN  
SET NOTICE 1 DISPLAY  
SET NOTICE LOGIN DISPLAY

FILE 'REGISTRY' ENTERED AT 09:21:56 ON 21 OCT 2010  
E COLONIAL 1360/CN  
SET EXPAND CONTINUOUS  
E 27323-41-7/RN  
L18 1 S E15  
E ULTRAWET 60L/CN  
L19 1 S E27  
L20 0 S L8 AND L19

FILE 'CAPLUS' ENTERED AT 09:24:58 ON 21 OCT 2010  
L21 1 S L8 AND L19

FILE 'CAPLUS' ENTERED AT 09:25:58 ON 21 OCT 2010  
L22 4 S L3 AND L4 AND L19  
L23 3 S L22 AND (PY<=2003 OR AY<=2003 OR PRY<=2003)

L23 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2010 ACS on STN

AB Making a silicone-in-water emulsion occurs by forming a hydrophobic phase containing a silicone component selected from a silicone fluid, silicone gum, a silicone rubber, a silicone elastomer, a silicone resin, or a mixture thereof; the silicone in the hydrophobic phase having a viscosity of at least 1,000 mm<sup>2</sup>/s to 5,000,000,000 mm<sup>2</sup>/s at 23°, mixing ≥1 surfactants with the hydrophobic phase, adding 0.5-10% H<sub>2</sub>O to the hydrophobic phase and shear mixing in a twin-screw extruder to form a silicone-in-water emulsion, and (v) optionally, diluting the silicone-in-water emulsion by the addition of water; the method carried out in the absence of a solvent other than solvents present in the silicone fluid.

ACCESSION NUMBER: 2008:1189335 CAPLUS Full-text  
DOCUMENT NUMBER: 149:426542  
TITLE: Emulsification of fluid or gum or rubber and making silicone-in-water emulsions  
INVENTOR(S): Barnes, Kathleen; Rochlitz, Walker L.; Shim, Anne  
Katja; Suhr, Lindsey M.; Tabler, Raymond Lee; Tascarella, David Shawn  
PATENT ASSIGNEE(S): Dow Corning Corporation, USA  
SOURCE: U.S. Pat. Appl. Publ., 7 pp., Cont.-in-part of U.S. Ser. No. 559,525.  
CODEN: USXXCO  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 2

## PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20080242744	A1	20081002	US 2008-113395	
20080501 <--				
WO 2005016998	A2	20050224	WO 2004-US12001	
20040419 <--				
WO 2005016998	A3	20050421		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 20060135626	A1	20060622	US 2005-559525	
20051206 <--				
US 7385001	B2	20080610		
PRIORITY APPLN. INFO.:			US 2003-489405P	P
20030723 <--				
			WO 2004-US12001	W
20040419				
			US 2005-559525	A2
20051206				
			US 2007-947694P	P
20070703				
ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT				
INCL 516055000				
IPCI B01F0003-08 [I,A]				
IPCR B01F0003-08 [I,C]; B01F0003-08 [I,A]				
NCL 516/055.000				
CC 37-3 (Plastics Manufacture and Processing)				
Section cross-reference(s): 39				
IT 31900-57-9, Polydimethylsiloxane				
RL: PEP (Physical, engineering or chemical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses) (assumed monomers; making silicone-in-water emulsions)				
IT 27323-41-7, Bio-Soft N-300				
RL: NUU (Other use, unclassified); USES (Uses) (making silicone-in-water emulsions)				

IT 9016-00-6, Polydimethylsiloxane 31692-79-2, Hydroxy terminated  
polydimethylsiloxane 42557-10-8, Trimethylsilyl-terminated  
polydimethylsiloxane 156048-35-0D,  
Dimethylsilanediol;phenylmethylsilanediol copolymer,  
dimethylvinylsilyl-terminated  
RL: PEP (Physical, engineering or chemical process); TEM  
(Technical or  
engineered material use); PROC (Process); USES (Uses)  
(making silicone-in-water emulsions)

IT Alcohols  
RL: NUU (Other use, unclassified); USES (Uses)  
(C11-15-secondary, ethoxylated; making silicone-in-water  
emulsions)

IT Emulsification  
Surfactants  
(making silicone-in-water emulsions)

IT MQ resins  
Polysiloxanes  
Silicone rubber  
RL: PEP (Physical, engineering or chemical process); TEM  
(Technical or  
engineered material use); PROC (Process); USES (Uses)  
(making silicone-in-water emulsions)

IT Emulsions  
(oil-in-water; making silicone-in-water emulsions)

IT 9002-92-0, Brij 30  
RL: NUU (Other use, unclassified); USES (Uses)  
(Brij 35L; making silicone-in-water emulsions)

IT 1343-98-2D, Silicic acid, organosilylated  
RL: PEP (Physical, engineering or chemical process); TEM  
(Technical or  
engineered material use); PROC (Process); USES (Uses)  
(MQ derivs.; making silicone-in-water emulsions)

IT 31900-57-9, Polydimethylsiloxane  
RL: PEP (Physical, engineering or chemical process); TEM  
(Technical or  
engineered material use); PROC (Process); USES (Uses)  
(assumed monomers; making silicone-in-water emulsions)

IT 27323-41-7, Bio-Soft N-300  
RL: NUU (Other use, unclassified); USES (Uses)  
(making silicone-in-water emulsions)

IT 9016-00-6, Polydimethylsiloxane 31692-79-2, Hydroxy terminated  
polydimethylsiloxane 42557-10-8, Trimethylsilyl-terminated  
polydimethylsiloxane 156048-35-0D,  
Dimethylsilanediol;phenylmethylsilanediol copolymer,  
dimethylvinylsilyl-terminated  
RL: PEP (Physical, engineering or chemical process); TEM  
(Technical or  
engineered material use); PROC (Process); USES (Uses)  
(making silicone-in-water emulsions)

FILE 'REGISTRY' ENTERED AT 09:50:08 ON 21 OCT 2010  
E 31692-79-2/RN

L24 1 S E39

L1 1 S US 20070244203/PN

L1 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2010 ACS on STN

AB A controlled-release composition for topical application to a substrate includes an oil-in-water emulsion and an active agent incorporated into the oil-in-water emulsion. The oil-in-water emulsion is substantially free of lipophilic solvent and is formed by mech. inversion of a water-in-oil emulsion. The water-in-oil emulsion includes a silicone component, a surfactant, and water. A method of delivering the active agent to the substrate provides the oil-in-water emulsion and incorporates the active agent into the oil-in-water emulsion for delivery of the active agent to the substrate upon application of the oil-in-water emulsion to the substrate. Compns. contained niacinamide and emulsions containing DC 193 Fluid and Emulsifier 10.

ACCESSION NUMBER: 2005:423730 CAPLUS Full-text

DOCUMENT NUMBER: 142:469280

TITLE: A controlled-release composition for topical application comprising an oil-in-water

emulsion

INVENTOR(S): Raul, Victor A.; Thomas, Xavier Jean-Paul; Shim, Anne

K.; Schalau, Gerald K., II; Cabala, Janelle L.

PATENT ASSIGNEE(S): Dow Corning Corporation, USA

SOURCE: PCT Int. Appl., 34 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 3

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2005044232	A1	20050519	WO 2004-US35619	
20041027				
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ,			
CA, CH,	CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,			
GB, GD,	GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR,			
KZ, LC,	LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ,			
NA, NI,	NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK,			
SL, SY,	TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA,			
ZM, ZW				
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,			
ZW, AM,	AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ,			
DE, DK,	EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT,			
RO, SE,				

SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML,  
 MR, NE,  
 SN, TD, TG  
 EP 1677762 A1 20060712 EP 2004-796529  
 20041027  
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE,  
 MC, PT,  
 IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK  
 CN 1874755 A 20061206 CN 2004-80031651  
 20041027  
 JP 2007509954 T 20070419 JP 2006-538212  
 20041027  
 AT 424816 T 20090315 AT 2004-796563  
 20041027  
 US 20070244203 A1 20071018 US 2007-576991  
 20070306 <--  
 PRIORITY APPLN. INFO.: US 2003-514709P P  
 20031027  
 WO 2004-US35619 W  
 20041027  
 ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT  
 IT Gums and Mucilages  
 Surfactants  
 Thickening agents  
 (controlled-release composition for topical application  
 comprising an  
 oil-in-water emulsion)  
 IT Carbon black, biological studies  
 Diatomite  
 Polysaccharides, biological studies  
 Polysiloxanes, biological studies  
 RL: MOA (Modifier or additive use); THU (Therapeutic use); BIOL  
 (Biological study); USES (Uses)  
 (controlled-release composition for topical application  
 comprising an  
 oil-in-water emulsion)  
 IT Medical goods  
 (dressings; controlled-release composition for topical  
 application  
 comprising an oil-in-water emulsion)  
 IT Drug delivery systems  
 (emulsions, controlled-release, topical; controlled-release  
 composition for  
 topical application comprising an oil-in-water emulsion)  
 IT Polysiloxanes, biological studies  
 RL: MOA (Modifier or additive use); THU (Therapeutic use); BIOL  
 (Biological study); USES (Uses)  
 (polyoxyalkylene-; controlled-release composition for topical  
 application  
 comprising an oil-in-water emulsion)  
 IT Polyoxyalkylenes, biological studies  
 RL: MOA (Modifier or additive use); THU (Therapeutic use); BIOL  
 (Biological study); USES (Uses)  
 (polysiloxane-; controlled-release composition for topical  
 application  
 comprising an oil-in-water emulsion)  
 IT 9003-01-4D, crosslinked

RL: MOA (Modifier or additive use); THU (Therapeutic use); BIOL  
 (Biological study); USES (Uses)  
 (Carbomer; controlled-release composition for topical  
 application comprising  
 an oil-in-water emulsion)  
 IT 57-11-4, Stearic acid, biological studies 79-06-1D, Acrylamide,  
 copolymers 471-34-1, Calcium carbonate, biological studies  
 1332-37-2,  
 Iron oxide, biological studies 1344-28-1, Alumina, biological  
 studies  
 7631-86-9, Silica, biological studies 7782-42-5, Graphite,  
 biological  
 studies 9002-89-5, Polyvinyl alcohol 9003-01-4, Polyacrylic  
 acid  
 9003-39-8, Pvp 9004-34-6D, Cellulose, derivs. 9016-00-6,  
 Polydimethylsiloxane 13463-67-7, Titania, biological studies  
 14808-60-7, Quartz, biological studies 21645-51-2, Aluminum  
 hydroxide,  
 biological studies 25167-67-3D, Butene, copolymers 31900-57-9,  
 Polydimethylsiloxane 145686-74-4, Emulsifier 10  
 RL: MOA (Modifier or additive use); THU (Therapeutic use); BIOL  
 (Biological study); USES (Uses)  
 (controlled-release composition for topical application  
 comprising an  
 oil-in-water emulsion)  
 IT 98-92-0, Niacinamide 65277-42-1, Ketoconazole  
 RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (controlled-release composition for topical application  
 comprising an  
 oil-in-water emulsion)

FILE 'REGISTRY' ENTERED AT 14:21:21 ON 25 OCT 2010  
 L2 1 S 9003-01-4/RN  
 SET NOTICE 1 DISPLAY  
 SET NOTICE LOGIN DISPLAY  
 L3 151523 S (?SILOXANE? OR ?SILICON?)  
 L4 116781 S (POLYSILOXANE? OR SILICON?)  
 L5 563 S (POLYDIMETHYLSILOXANE?)  
 L6 117331 S L4 OR L5  
 L7 0 S L6 (L) (EMULSION? OR EMULSIFI?)  
 L8 0 S L4 (L) EMULSION?  
 L9 3 S L4 AND EMULSION?  
 L10 1 S L5 AND EMULSION?  
 L11 1 S L4 AND EMULSIF?  
 L12 0 S L5 AND EMULSIF?  
 L13 4 S L4 AND EMULS?  
 L14 1 S L5 AND EMULS?  
 L15 4 S L9-L14

FILE 'CAPLUS' ENTERED AT 14:30:02 ON 25 OCT 2010  
 L16 1603401 S L4 OR L5  
 L17 4613 S L16 (L) EMULSION?  
 L18 882 S L16 (L) EMULSIF?  
 L19 3679 S L16 (L) SUSPENSION?  
 L20 7094 S L16 (L) DISPERSION?

L21 1603401 S L16-20  
L22 4087 S L21 AND (MEDICAL GOODS/IT)  
L23 8865 S L21 AND (DRUG DELIVERY SYSTEMS/IT)  
L24 12306 S L22 OR L23  
L25 5054 S L24 AND (PY<=2003 OR AY<=2003 OR PRY<=2003)  
L26 1519 S (SILICONE FLUID?)  
L27 12477 S SILICON? (L) FLUID?  
L28 164 S L24 AND L27  
L29 75 S L28 AND (PY<=2003 OR AY<=2003 OR PRY<=2003)

FILE 'CAPLUS' ENTERED AT 16:00:42 ON 25 OCT 2010

FILE 'REGISTRY' ENTERED AT 16:00:46 ON 25 OCT 2010

E SOFTNERSIL-10/CN  
SET EXPAND CONTINUOUS  
L30 1 S E2  
E DC 360/CN  
L31 1 S E15